

Jochen Smolka

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

525
citations

14
h-index

21
g-index

21
ext. papers

683
ext. citations

4.2
avg, IF

3.85
L-index

#	Paper	IF	Citations
20	Seeing the world through the eyes of a butterfly: visual ecology of the territorial males of <i>Pararge aegeria</i> (Lepidoptera: Nymphalidae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2021 , 207, 701-713	2.3	
19	Quantifying biologically essential aspects of environmental light. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210184	4.1	10
18	Light pollution forces a change in dung beetle orientation behavior. <i>Current Biology</i> , 2021 , 31, 3935-3947	6.3	5
17	Orienting to polarized light at night - matching lunar skylight to performance in a nocturnal beetle. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	9
16	Low-resolution vision in a velvet worm (Onychophora). <i>Journal of Experimental Biology</i> , 2018 , 221,	3	14
15	How animals follow the stars. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	22
14	The sea urchin uses low resolution vision to find shelter and deter enemies. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	21
13	Stellar performance: mechanisms underlying Milky Way orientation in dung beetles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	25
12	Resolving the Trade-off Between Visual Sensitivity and Spatial Acuity-Lessons from Hawkmoths. <i>Integrative and Comparative Biology</i> , 2017 , 57, 1093-1103	2.8	4
11	Night sky orientation with diurnal and nocturnal eyes: dim-light adaptations are critical when the moon is out of sight. <i>Animal Behaviour</i> , 2016 , 111, 127-146	2.8	21
10	Neural coding underlying the cue preference for celestial orientation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11395-400	11.5	115
9	The role of the sun in the celestial compass of dung beetles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130036	5.8	39
8	Diurnal dung beetles use the intensity gradient and the polarization pattern of the sky for orientation. <i>Journal of Experimental Biology</i> , 2014 , 217, 2422-9	3	45
7	A new galloping gait in an insect. <i>Current Biology</i> , 2013 , 23, R913-5	6.3	19
6	Dung beetles ignore landmarks for straight-line orientation. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2013 , 199, 17-23	2.3	33
5	Flicker is part of a multi-cue response criterion in fiddler crab predator avoidance. <i>Journal of Experimental Biology</i> , 2013 , 216, 1219-24	3	7
4	Dung beetles use their dung ball as a mobile thermal refuge. <i>Current Biology</i> , 2012 , 22, R863-4	6.3	23

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| 3 | The dung beetle dance: an orientation behaviour?. <i>PLoS ONE</i> , 2012 , 7, e30211 | 3-7 | 35 |
| 2 | Natural visual cues eliciting predator avoidance in fiddler crabs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 3584-92 | 4-4 | 30 |
| 1 | Topography of vision and behaviour. <i>Journal of Experimental Biology</i> , 2009 , 212, 3522-32 | 3 | 48 |